

A1-series

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The new A1 AC charging station is available as a single or dual charger and features numerous new developments and features.

- ✕ OCPP 1.6 backend connection
- ✕ Smart charging functionality
- ✕ Customized design
- ✕ Backend compatible



We also offer the installation and integration of photovoltaic systems and battery energy storage systems as a general contractor!

X GENERAL

Product type	elexon A1
Dimensions (W x H x D)	500 x 400 x 226 or 400x300x180 (depends on variant)
Weight (kg)	ca. 14 (depends on variant)
Housing material	Fiberglass reinforced polycarbonate
Locking device	Safety screws, can only be opened with special tools
Cable routing	From the bottom / top
Mounting options	Wall, pole, station mounting possible
Front design	Custom design possible, on request

X CHARGING STATION

Type	Alternating current supply device for electric vehicles (ACSEV)
Number of charging points	1(S) or 2 (D)
Max. power per charging point	11kW or 22kW
Charger connection (charging cable or charging socket)	Fixed charging cable, 6m, type 2 (EN 62196) or charging socket type 2 (EN 62196), different cable lengths possible, on request
Nominal voltage (V AC)	230/400, 3-phase or single phase (depends on variant)
Rated input current (A)	16A (11kW single station, 11kW dual station with power reduction) 32A (22kW single station, 11kW dual station, 22kW dual station with power reduction), 63A (22kW dual station), (depends on variant)
Nominal output current (A)	16A (11kW charging connection), 32A (22kW charging connection), (depends on variant)
Net frequency (Hz)	50
Net forms	TN, TN-C, TN-C-S
Communication (with vehicle)	Mode 3 (EN/IEC 61851-1)
Authentication	RFID, OCPP-communication (remote-accesses), (depends on variant)
Status display	6 LEDs, 3 per charging point, buzzer
Energy meter	Compliant to German calibration law (Type CR) or MID compliant meter (Type MR) per charging point

X INTERFACES / COMMUNICATION

Network interface	LAN (RJ45), 10/100 Mbit/s
Backend connection	OCPP version 1.6 JSON (variant-dependent)
Load management	OCPP smart charging, optional local load limitation in the dual charging point (depends on variation)
Connectivity	Optional: GSM, LTE modem, WiFi, etc. (depends on variant)

ELECTRICAL SAFETY

Fault current detection	NOTE: In the upstream installation, a type A all-pole RCD with a rated residual current not exceeding 30 mA is required (optionally included in the scope of delivery)
DC residual current monitoring	Integrated electronic (6 mA) for both charging points
Prefuse	LS/MCB C, max. 63 A, min. 10kA
Overvoltage protection	Yes, optional SPD type 2 integrated
Overvoltage class	III
Rated impulse-withstand voltage	4 kV (w/o overvoltage protection)
Rated insulation voltage	440 V
Rated short-time withstand current	<10 kA
Rated current per charging point	16A (11kW charging connection), 32A (22kW charging connection)
Circuit breaker	Per charging point 3-phase, B-characteristic 16A (11kW), 32A (22kW)
Rated load factor RDF	1 or 0,5 (with selectable power reduction)

ENVIRONMENTAL CONDITIONS

Location of operation	Indoors and outdoors
EMC-Class	Interference emission and immunity: ISO 61851 Class B (residential, business, commercial)
Storage temperature range	-30°C bis +70°C
Operation temperature range	-25°C bis +40°C
Temperature monitoring	Safety: integrated, automatic reduction of the charging current or shutdown of the charging station
Permissible relative humidity	5% bis 95% non-condensing
Altitude	max. 2000 m above sea level
Degree of contamination	3
Protection class	II
Protection type	IP54
Impact resistance	IK09

STANDARDS

DIN-EN 61851-1:2019, CE	Standard for conductive charging systems for electric vehicles, CE
Conformity to German calibration law	Type examination MessEV Modul B

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